ELSEVIER

Journal of Crystal Growth 195 (1998) 746–754

JOURNAL OF CRYSTAL GROWTH

Author index

Agert, C., see Höhnsdorf, F. 195 (1998) 391
Agethen, M., see Velling, P. 195 (1998) 117
Ahe, M. v.d., see Schmidt, R. 195 (1998) 124
Aina, L., see Ferguson, I.T. 195 (1998) 648
Akabori, M., J. Motohisa and T. Fukui, Formation and characterization of modulated two-dimensional electron gas on GaAs multiatomic steps grown by metalorganic vapor phase epitaxy 195 (1998) 579
Akasaka, T., see Nishida, T. 195 (1998) 41
Akasaka, T., see Kobayashi, Y. 195 (1998) 187
Akasaka, T., see Nishida, T. 195 (1998) 459
Akasaki, I., Progress in crystal growth and future prospects of group III nitrides by metalorganic vapor-phase epitaxy 195 (1998) 248
Akasaki, I., see Yamaguchi, S. 195 (1998) 309
Al-Muhanna, A., see Mawst, L.J. 195 (1998) 609
Allerman, A.A., see Biefeld, R.M. 195 (1998) 356
Allwood, D.A., N.J. Mason and P.J. Walker, In situ characterisation of MOVPE by surface photoabsorption. I. Substrate oxide desorption 195 (1998) 163
Alvarez, F.D., see Mawst, L.J. 195 (1998) 609
Amano, H., see Yamaguchi, S. 195 (1998) 309
Ambacher, O., see Off, J. 195 (1998) 286
Arens, M., see Kurpas, P. 195 (1998) 217
Arès, R., see Gupta, J.A. 195 (1998) 205
Arès, R., J. Hu, P. Yeo and S.P. Watkins, Time-resolved reflectance difference spectroscopy of InAs growth under alternating flow conditions 195 (1998) 234

Babcock, S.E., see Hansen, D.M. 195 (1998) 144
Babinski, A., see Li, G. 195 (1998) 54
Bachem, K.H., see Obloh, H. 195 (1998) 270
Banas, M.A., see Han, J. 195 (1998) 291
Bartram, M.E., see Han, J. 195 (1998) 291
Baucom, K.C., see Biefeld, R.M. 195 (1998) 356
Baumeister, H., see Kröner, P. 195 (1998) 660
Bawendi, M.G., see Heine, J.R. 195 (1998) 564
Becker, R., see Leu, S. 195 (1998) 98
Beckman, C., see Ferguson, I.T. 195 (1998) 648
Beerbom, M.M., see Giesen, Ch. 195 (1998) 85
Begarney, M., see Li, L. 195 (1998) 28
Behres, A., D. Püttjer and K. Heime, Low-pressure metal organic vapour-phase epitaxy and characterization of strained InAs(P)/InAsSb superlattices for infrared emitters 195 (1998) 373
Berrigan, R.A., N. Maung, S.J.C. Irvine, D.J. Cole-Hamilton and D. Ellis, Thin films of CdTe/CdS grown by MOCVD for photovoltaics 195 (1998) 718
Bertone, D., R. Campi and G. Morello, Etching of InP-based MQW laser structure in a MOCVD reactor by chlorinated compounds 195 (1998) 624
Bhat, I.B., see Hitchcock, C.W. 195 (1998) 363
Bhat, I.B., see Ehsani, H. 195 (1998) 385
Bhat, R., C. Caneau, L. Salamanca-Riba, W. Bi and C. Tu, Growth of GaAsN/GaAs, GaInAsN/GaAs and GaInAsN/GaAs quantum wells by low-pressure organometallic chemical vapor deposition 195 (1998) 427
Bi, W., see Bhat, R. 195 (1998) 427
Biasiol, G., F. Lelarge, K. Leifer and E. Kapon, Mechanisms of self-ordering of nanostructures in nonplanar OMCVD growth 195 (1998) 596
Biblemont, S., see Décobert, J. 195 (1998) 681
Biefeld, R.M., see Han, J. 195 (1998) 291
Biefeld, R.M., A.A. Allerman, S.R. Kurtz and K.C. Baucom, Progress in the growth of mid-infrared InAsSb emitters by metal-organic chemical vapor deposition 195 (1998) 356
Bieg, B., see Cederberg, J.G. 195 (1998) 63
Bieg, B., see Cederberg, J.G. 195 (1998) 105
Bimberg, D., see Dadgar, A. 195 (1998) 69
Bimberg, D., see Heinrichsdorff, F. 195 (1998) 540
Bimberg, D., see Kappelt, M. 195 (1998) 552
Bimberg, D., see Pohl, U.W. 195 (1998) 569
Biwa, G., H. Yaguchi, K. Onabe and Y. Shiraki, Photoluminescence and photoluminescence-excitation spectroscopy of GaPAsN/GaP lattice-matched multiple quantum well structures 195 (1998) 574

0022-0248/98/$ – see front matter © 1998 Elsevier Science B.V. All rights reserved.
PII: S0022-0248(98)00949-X

ELSEVIER

Journal of Crystal Growth 195 (1998) 746–754

JOURNAL OF CRYSTAL GROWTH

Author index

Agert, C., see Höhnsdorf, F. 195 (1998) 391
Agethen, M., see Velling, P. 195 (1998) 117
Ahe, M. v.d., see Schmidt, R. 195 (1998) 124
Aina, L., see Ferguson, I.T. 195 (1998) 648
Akabori, M., J. Motohisa and T. Fukui, Formation and characterization of modulated two-dimensional electron gas on GaAs multiatomic steps grown by metalorganic vapor phase epitaxy 195 (1998) 579
Akasaka, T., see Nishida, T. 195 (1998) 41
Akasaka, T., see Kobayashi, Y. 195 (1998) 187
Akasaka, T., see Nishida, T. 195 (1998) 459
Akasaki, I., Progress in crystal growth and future prospects of group III nitrides by metalorganic vapor-phase epitaxy 195 (1998) 248
Akasaki, I., see Yamaguchi, S. 195 (1998) 309
Al-Muhanna, A., see Mawst, L.J. 195 (1998) 609
Allerman, A.A., see Biefeld, R.M. 195 (1998) 356
Allwood, D.A., N.J. Mason and P.J. Walker, In situ characterisation of MOVPE by surface photoabsorption. I. Substrate oxide desorption 195 (1998) 163
Alvarez, F.D., see Mawst, L.J. 195 (1998) 609
Amano, H., see Yamaguchi, S. 195 (1998) 309
Ambacher, O., see Off, J. 195 (1998) 286
Arens, M., see Kurpas, P. 195 (1998) 217
Arès, R., see Gupta, J.A. 195 (1998) 205
Arès, R., J. Hu, P. Yeo and S.P. Watkins, Time-resolved reflectance difference spectroscopy of InAs growth under alternating flow conditions 195 (1998) 234

Babcock, S.E., see Hansen, D.M. 195 (1998) 144
Babinski, A., see Li, G. 195 (1998) 54
Bachem, K.H., see Obloh, H. 195 (1998) 270
Banas, M.A., see Han, J. 195 (1998) 291
Bartram, M.E., see Han, J. 195 (1998) 291
Baucom, K.C., see Biefeld, R.M. 195 (1998) 356
Baumeister, H., see Kröner, P. 195 (1998) 660
Bawendi, M.G., see Heine, J.R. 195 (1998) 564
Becker, R., see Leu, S. 195 (1998) 98
Beckman, C., see Ferguson, I.T. 195 (1998) 648
Beerbom, M.M., see Giesen, Ch. 195 (1998) 85
Begarney, M., see Li, L. 195 (1998) 28
Behres, A., D. Püttjer and K. Heime, Low-pressure metal organic vapour-phase epitaxy and characterization of strained InAs(P)/InAsSb superlattices for infrared emitters 195 (1998) 373
Berrigan, R.A., N. Maung, S.J.C. Irvine, D.J. Cole-Hamilton and D. Ellis, Thin films of CdTe/CdS grown by MOCVD for photovoltaics 195 (1998) 718
Bertone, D., R. Campi and G. Morello, Etching of InP-based MQW laser structure in a MOCVD reactor by chlorinated compounds 195 (1998) 624
Bhat, I.B., see Hitchcock, C.W. 195 (1998) 363
Bhat, I.B., see Ehsani, H. 195 (1998) 385
Bhat, R., C. Caneau, L. Salamanca-Riba, W. Bi and C. Tu, Growth of GaAsN/GaAs, GaInAsN/GaAs and GaInAsN/GaAs quantum wells by low-pressure organometallic chemical vapor deposition 195 (1998) 427
Bi, W., see Bhat, R. 195 (1998) 427
Biasiol, G., F. Lelarge, K. Leifer and E. Kapon, Mechanisms of self-ordering of nanostructures in nonplanar OMCVD growth 195 (1998) 596
Biblemont, S., see Décobert, J. 195 (1998) 681
Biefeld, R.M., see Han, J. 195 (1998) 291
Biefeld, R.M., A.A. Allerman, S.R. Kurtz and K.C. Baucom, Progress in the growth of mid-infrared InAsSb emitters by metal-organic chemical vapor deposition 195 (1998) 356
Bieg, B., see Cederberg, J.G. 195 (1998) 63
Bieg, B., see Cederberg, J.G. 195 (1998) 105
Bimberg, D., see Dadgar, A. 195 (1998) 69
Bimberg, D., see Heinrichsdorff, F. 195 (1998) 540
Bimberg, D., see Kappelt, M. 195 (1998) 552
Bimberg, D., see Pohl, U.W. 195 (1998) 569
Biwa, G., H. Yaguchi, K. Onabe and Y. Shiraki, Photoluminescence and photoluminescence-excitation spectroscopy of GaPAsN/GaP lattice-matched multiple quantum well structures 195 (1998) 574

0022-0248/98/$ – see front matter © 1998 Elsevier Science B.V. All rights reserved.
PII: S0022-0248(98)00949-X

Bolognesi, C.R., see Xu, X.G. 195 (1998) 687
Botez, D., see Mawst, L.J. 195 (1998) 609
Bouchoule, S., see Sik, H. 195 (1998) 479
Boulet, P., see Sik, H. 195 (1998) 479
Bray, K.L., see Cederberg, J.G. 195 (1998) 105
Breiland, W.G., see Vineis, C.J. 195 (1998) 181
Breiland, W.G., see Hou, H.Q. 195 (1998) 199
Brown, J.D., see Yu, Z. 195 (1998) 333
Brown, M.G., see Tran, C.A. 195 (1998) 397
Bugge, F., A. Knauer, U. Zeimer, J. Sebastian, V.B. Smirnitski, A. Klehr, G. Erbert and M. Weyers, MOVPE growth of tunable DBR laser diode emitting at 1060 nm 195 (1998) 676
Bugge, F., see Knauer, A. 195 (1998) 694
Burkhard, H., see Jochum, S. 195 (1998) 637
Butendeich, R., M. Hurich and H. Heinecke, Material localisation at GaInAsP-ridge-structures selectively grown by MOMBE 195 (1998) 510

Campi, R., see Bertone, D. 195 (1998) 624
Caneau, C., see Bhat, R. 195 (1998) 427
Cederberg, J.G., B. Bieg, J.-W. Huang, S.A. Stockman, M.J. Peanasky and T.F. Kuech, Intrinsic and oxygen-related deep level defects in $In_{0.5}(Al_xGa_{1-x})_{0.5}P$ grown by metal-organic vapor phase epitaxy 195 (1998) 63
Cederberg, J.G., T.D. Culp, B. Bieg, D. Pfeiffer, C.H. Winter, K.L. Bray and T.F. Kuech, Erbium-doped GaAs grown using the novel precursor tris(3,5-di-tert-butylpyrazolato)bis(4-tert-butylpyridine)erbium 195 (1998) 105
Chang, D.-G., see Kim, I. 195 (1998) 138
Charache, G.W., see Wang, C.A. 195 (1998) 346
Charache, G.W., see Hitchcock, C.W. 195 (1998) 363
Charache, G.W., see Ehsani, H. 195 (1998) 385
Chen, S.W., see Ferguson, I.T. 195 (1998) 648
Chichibu, S.F., see Keller, S. 195 (1998) 258
Cho, S., see Sanz-Hervás, A. 195 (1998) 558
Choi, H.K., see Wang, C.A. 195 (1998) 346
Choi, W.-J. and P.D. Dapkus, Selective growth and regrowth of high Al content AlGaAs for use in BH lasers 195 (1998) 495
Chua, S.J., see Li, G. 195 (1998) 54
Cole-Hamilton, D.J., see Berrigan, R.A. 195 (1998) 718
Considine, L., E.J. Thrush, J.A. Crawley, K. Jacobs, W. Van der Stricht, I. Moerman, P. Demeester, G.H. Park, S.J. Hwang and J.J. Song, Growth and in situ monitoring of GaN using IR interference effects 195 (1998) 192
Considine, L., see Vanhollebeke, K. 195 (1998) 644
Cook Jr., J.W., see Yu, Z. 195 (1998) 333
Cooke, P., see Partin, D.L. 195 (1998) 378
Crawford, M.H., see Han, J. 195 (1998) 291
Crawley, J.A., see Considine, L. 195 (1998) 192
Crawley, J.A., see Vanhollebeke, K. 195 (1998) 644
Crozier, E.D., see Gupta, J.A. 195 (1998) 34
Culp, T.D., see Cederberg, J.G. 195 (1998) 105

D'Hondt, M., Z.-Q. Yu, B. Depreter, C. Sys, I. Moerman, P. Demeester and P. Mijlemans, High quality InGaAs/AlGaAs lasers grown on Ge substrates 195 (1998) 655
Dadgar, A., O. Stenzel, L. Köhne, A. Näser, M. Straßburg, W. Stolz, D. Bimberg and H. Schumann, Growth of Ru doped semi-insulating InP by low pressure metalorganic chemical vapor deposition 195 (1998) 69
Dapkus, P.D., see Kim, I. 195 (1998) 138
Dapkus, P.D., see Kobayashi, J.T. 195 (1998) 252
Dapkus, P.D., see Choi, W.-J. 195 (1998) 495
David, J.P.R., see Roberts, J.S. 195 (1998) 668
De Smet, T.M.F., see van Geelen, A. 195 (1998) 79
Décobert, J., G. Rondeau, H. Maher, C. Ladner, A. Falcou, S. Biblemont and G. Post, Doping optimizations for InGaAs/InP composite channel HEMTs 195 (1998) 681
Demeester, P., see Considine, L. 195 (1998) 192
Demeester, P., see Vanhollebeke, K. 195 (1998) 644
Demeester, P., see D'Hondt, M. 195 (1998) 655
DenBaars, S.P., see Keller, S. 195 (1998) 258
DenBaars, S.P., see Kozodoy, P. 195 (1998) 265
DenBaars, S.P., see Marchand, H. 195 (1998) 328
Depreter, B., see D'Hondt, M. 195 (1998) 655
Di Forte-Poisson, M.A., F. Huet, A. Romann, M. Tordjman, D. Lancefield, E. Pereira, J. Di Persio and B. Pecz, Relationship between physical properties and gas purification in GaN grown by metalorganic vapor phase epitaxy 195 (1998) 314
Di Persio, J., see di Forte-Poisson, M.A. 195 (1998) 314
Dieker, Ch., see Schmidt, R. 195 (1998) 124
Döhler, G.H., see Velling, P. 195 (1998) 490
Duan, S., X. Teng, P. Han and D.-C. Lu, Growth and characterization of GaN on $LiGaO_2$ 195 (1998) 304
Dunn, K.A., see Hansen, D.M. 195 (1998) 144
Dupuis, R.D., J. Park, P.A. Grudowski, C.J. Eiting and Z. Liliental-Weber, Selective-area and lateral epitaxial overgrowth of III-N materials by metalorganic chemical vapor deposition 195 (1998) 340

Ehsani, H., see Hitchcock, C.W. 195 (1998) 363
Ehsani, H., I. Bhat, C. Hitchcock, R.J. Gutmann, G. Charache and M. Freeman, p-Type and n-type doping in GaSb and $Ga_{0.8}In_{0.2}Sb$ layers grown by metalorganic vapor phase epitaxy 195 (1998) 385
Eiting, C.J., see Dupuis, R.D. 195 (1998) 340
El-Masry, N.A., see Yu, Z. 195 (1998) 333
Eliashevich, I., see Tran, C.A. 195 (1998) 397
Ellis, D., see Berrigan, R.A. 195 (1998) 718

Ellmers, C., S. Leu, R. Rettig, M. Hofmann, W.W. Rühle and W. Stolz, GaAs-based VCSEL-structures with strain-compensated (GaIn)As/Ga(PAs)-MQWH active regions grown by using TBAs and TBP 195 (1998) 630
Engelhardt, R., see Pohl, U.W. 195 (1998) 569
Erbert, G., see Bugge, F. 195 (1998) 676
Esser, N., see Pristovsek, M. 195 (1998) 1

Falcou, A., see Décobert, J. 195 (1998) 681
Feng, Z.C., see Ferguson, I.T. 195 (1998) 648
Ferguson, I.T., see Tran, C.A. 195 (1998) 397
Ferguson, I.T., C. Beckman, Z.C. Feng, A.G. Thompson, R. Stall, H.Q. Hou, K. Seipel, S.W. Chen and L. Aina, MOCVD growth of high power 0.5 W 35 GHz MMICs 195 (1998) 648
Fetzer, C., see Lee, S.H. 195 (1998) 13
Figiel, J.J., see Han, J. 195 (1998) 291
Fini, P.T., see Marchand, H. 195 (1998) 328
Fix, W., see Velling, P. 195 (1998) 490
Franke, D., F.W. Reier and N. Grote, Post-growth Zn diffusion into InGaAs/InP in a LP-MOVPE reactor 195 (1998) 112
Franzheld, R., see Pietzonka, I. 195 (1998) 21
Freeman, M.J., see Hitchcock, C.W. 195 (1998) 363
Freeman, M.J., see Ehsani, H. 195 (1998) 385
Frey, V., see Winterhoff, R. 195 (1998) 132
Friedman, D.J., see Geisz, J.F. 195 (1998) 401
Friedman, D.J., J.F. Geisz, S.R. Kurtz and J.M. Olson, 1-eV solar cells with GaInNAs active layer 195 (1998) 409
Friedman, D.J., J.F. Geisz, S.R. Kurtz, J.M. Olson and R. Reedy, Nonlinear dependence of N incorporation on In content in GaInNAs 195 (1998) 438
Fukui, T., see Oda, Y. 195 (1998) 6
Fukui, T., see Akabori, M. 195 (1998) 579

Gal, M., see Li, G. 195 (1998) 54
Gauer, D., see Schmidt, R. 195 (1998) 124
Gayral, B., see Sagnes, I. 195 (1998) 524
Geiger, M., see Porsche, J. 195 (1998) 591
Geißelbrecht, W., see Velling, P. 195 (1998) 490
Geisz, J.F., D.J. Friedman, J.M. Olson, S.R. Kurtz and B.M. Keyes, Photocurrent of 1 eV GaInNAs lattice-matched to GaAs 195 (1998) 401
Geisz, J.F., see Friedman, D.J. 195 (1998) 409
Geisz, J.F., see Friedman, D.J. 195 (1998) 438
Gérard, J.M., see Sagnes, I. 195 (1998) 524
Giesen, Ch., M.M. Beerbom, X.G. Xu and K. Heime, MOVPE of AlAsSb using tritertiarybutylaluminum 195 (1998) 85
Gottschalch, V., see Pietzonka, I. 195 (1998) 21
Gramlich, S., see Knauer, A. 195 (1998) 694
Green, L., see Partin, D.L. 195 (1998) 378
Greiling, A., see Leu, S. 195 (1998) 98
Grote, N., see Franke, D. 195 (1998) 112
Grudowski, P.A., see Dupuis, R.D. 195 (1998) 340
Grundmann, M., see Heinrichsdorff, F. 195 (1998) 540
Gupta, J.A., J.C. Woicik, S.P. Watkins, K.E. Miyano, J.G. Pellegrino and E.D. Crozier, An X-ray standing wave study of ultrathin InAs films in GaAs(0 0 1) grown by atomic layer epitaxy 195 (1998) 34
Gupta, J.A., S.P. Watkins, R. Arès and G. Soerensen, MOVPE growth of single monolayers of InAs in GaAs studied by time-resolved reflectance difference spectroscopy 195 (1998) 205
Gupta, V., see Mihopoulos, T.G. 195 (1998) 733
Gutmann, R.J., see Hitchcock, C.W. 195 (1998) 363
Gutmann, R.J., see Ehsani, H. 195 (1998) 385
Gutsche, D., see Kurpas, P. 195 (1998) 217
Guttzeit, A., see Schineller, B. 195 (1998) 274

Haberland, K., see Zettler, J.-T. 195 (1998) 151
Haberland, K., see Steimetz, E. 195 (1998) 530
Hähnert, I., see Kappelt, M. 195 (1998) 552
Hamamoto, K., see Mori, K. 195 (1998) 466
Hammons, B.E., see Hou, H.Q. 195 (1998) 199
Han, B.-K., see Li, L. 195 (1998) 28
Han, J., J.J. Figiel, M.H. Crawford, M.A. Banas, M.E. Bartram, R.M. Biefeld, Y.K. Song and A.V. Nurmikko, OMVPE growth and gas-phase reactions of AlGaN for UV emitters 195 (1998) 291
Han, P., see Duan, S. 195 (1998) 304
Hansen, D.M., P.D. Moran, K.A. Dunn, S.E. Babcock, R.J. Matyi and T.F. Kuech, Development of a glass-bonded compliant substrate 195 (1998) 144
Hara, M., see Nakamura, F. 195 (1998) 280
Hardtdegen, H., see Schmidt, R. 195 (1998) 124
Hardtdegen, H., M. Pristovsek, H. Menhal, J.-T. Zettler, W. Richter and D. Schmitz, In situ characterization of GaAs growth in nitrogen atmosphere during MOVPE: a comparison to hydrogen atmosphere 195 (1998) 211
Hashimoto, S., see Nakamura, F. 195 (1998) 280
Hatakeyama, H., see Mori, K. 195 (1998) 466
Hauck, T., see Schmidt, R. 195 (1998) 124
Heime, K., see Giesen, Ch. 195 (1998) 85
Heime, K., see Schineller, B. 195 (1998) 274
Heime, K., see Behres, A. 195 (1998) 373
Heine, J.R., J. Rodriguez-Viejo, M.G. Bawendi and K.F. Jensen, Synthesis of CdSe quantum dot–ZnS matrix thin films via electrospray organometallic chemical vapor deposition 195 (1998) 564
Heinecke, H., see Butendeich, R. 195 (1998) 510
Heinecke, H., see Kröner, P. 195 (1998) 660

Heinrichsdorff, F., M. Grundmann, O. Stier, A. Krost and D. Bimberg, Influence of In/Ga intermixing on the optical properties of InGaAs/GaAs quantum dots 195 (1998) 540
Heremans, J., see Partin, D.L. 195 (1998) 378
Heuken, M., see Schineller, B. 195 (1998) 274
Heuken, M., see Schoen, O. 195 (1998) 297
Hicks, R.F., see Li, L. 195 (1998) 28
Hitchcock, C.W., R.J. Gutmann, H. Ehsani, I.B. Bhat, C.A. Wang, M.J. Freeman and G.W. Charache, Ternary and quaternary antimonide devices for thermophotovoltaic applications 195 (1998) 363
Hitchcock, C.W., see Ehsani, H. 195 (1998) 385
Hofmann, L., A. Knauer, I. Rechenberg and M. Weyers, Overgrowth of trenches with (AlGa)As using metalorganic vapor-phase epitaxy (MOVPE) 195 (1998) 485
Hofmann, M., see Ellmers, C. 195 (1998) 630
Höhnsdorf, F., see Leu, S. 195 (1998) 91
Höhnsdorf, F., see Leu, S. 195 (1998) 98
Höhnsdorf, F., J. Koch, C. Agert and W. Stolz, Investigations of (GaIn)(NAs) bulk layers and (GaIn)(NAs)/GaAs multiple quantum well structures grown using tertiarybutylarsine (TBAs) and 1,1-dimethylhydrazine (UDMHy) 195 (1998) 391
Honda, T., A. Inoue, M. Mori, T. Shirasawa, N. Mochida, K. Saotome, T. Sakaguchi, A. Ohtomo, M. Kawasaki, H. Koinuma, F. Koyama and K. Iga, GaN growth on ozonized sapphire(0 0 0 1) substrates by MOVPE 195 (1998) 319
Horikawa, H., see Yamauchi, Y. 195 (1998) 74
Hou, H.Q., B.E. Hammons and W.G. Breiland, In situ etching of GaAs by $AsCl_3$ for regrowth on AlGaAs in metalorganic vapor-phase epitaxy 195 (1998) 199
Hou, H.Q., see Ferguson, I.T. 195 (1998) 648
Hu, E., see Keller, S. 195 (1998) 258
Hu, J., see Arès, R. 195 (1998) 234
Hu, J., see Xu, X.G. 195 (1998) 687
Huang, J.-W., see Cederberg, J.G. 195 (1998) 63
Huet, F., see di Forte-Poisson, M.A. 195 (1998) 314
Hufgard, E., see Leu, S. 195 (1998) 91
Hummel, S.G., see Mihopoulos, T.G. 195 (1998) 725
Hurich, M., see Butendeich, R. 195 (1998) 510
Hwang, S.J., see Considine, L. 195 (1998) 192

Ibbetson, J.P., see Marchand, H. 195 (1998) 328
Iga, K., see Honda, T. 195 (1998) 319
Iga, K., see Miyamoto, T. 195 (1998) 421
Iga, K., see Ohnoki, N. 195 (1998) 603
Ikeda, M., see Nakamura, F. 195 (1998) 280
Imanaga, S., see Nakamura, F. 195 (1998) 280
Inoue, A., see Honda, T. 195 (1998) 319
Irvine, S.J.C., see Berrigan, R.A. 195 (1998) 718

Jacobi, K., see Pristovsek, M. 195 (1998) 1
Jacobs, K., see Considine, L. 195 (1998) 192
Jagadish, C., see Li, G. 195 (1998) 54
Janßen, G., see Velling, P. 195 (1998) 117
Jensen, K.F., see Vineis, C.J. 195 (1998) 181
Jensen, K.F., see Heine, J.R. 195 (1998) 564
Jensen, K.F., see Mihopoulos, T.G. 195 (1998) 725
Jensen, K.F., see Mihopoulos, T.G. 195 (1998) 733
Jochum, S., E. Kuphal, V. Piataev and H. Burkhard, Very high compositional homogeneity of 1.55 μm strain-compensated InGaAsP MQW structures by MOVPE under N_2 atmosphere 195 (1998) 637
Johansson, J., W. Seifert, T. Junno and L. Samuelson, Sizes of self-assembled quantum dots – effects of deposition conditions and annealing 195 (1998) 546
Johnson, M.A.L., see Yu, Z. 195 (1998) 333
Johnson, R., see Mawst, L.J. 195 (1998) 609
Johnston, M.B., see Li, G. 195 (1998) 54
Juergensen, H., see Schoen, O. 195 (1998) 297
Junno, T., see Johansson, J. 195 (1998) 546

Kamada, H., see Temmyo, J. 195 (1998) 516
Kapon, E., see Biasiol, G. 195 (1998) 596
Kappelt, M., V. Türck, D. Bimberg, H. Kirmse, I. Hähnert and W. Neumann, InGaAs and InAsP V-groove quantum wires using arsenic/phosphorus exchange preparation 195 (1998) 552
Kariya, M., see Yamaguchi, S. 195 (1998) 309
Karlicek Jr., R.F., see Tran, C.A. 195 (1998) 397
Kato, H., see Yamaguchi, S. 195 (1998) 309
Kaufmann, U., see Obloh, H. 195 (1998) 270
Kawai, H., see Nakamura, F. 195 (1998) 280
Kawasaki, M., see Honda, T. 195 (1998) 319
Keller, S., S.F. Chichibu, M.S. Minsky, E. Hu, U.K. Mishra and S.P. DenBaars, Effect of the growth rate and the barrier doping on the morphology and the properties of InGaN/GaN quantum wells 195 (1998) 258
Keller, S., see Kozodoy, P. 195 (1998) 265
Keller, S., see Marchand, H. 195 (1998) 328
Keyes, B.M., see Geisz, J.F. 195 (1998) 401
Kim, B.W., see Sanz-Hervás, A. 195 (1998) 558
Kim, I., D.-G. Chang and P.D. Dapkus, Growth of InGaAsP in a stagnation flow vertical reactor using TBP and TBA 195 (1998) 138
Kim, J., see Sanz-Hervás, A. 195 (1998) 558
Kirmse, H., see Kappelt, M. 195 (1998) 552
Klehr, A., see Bugge, F. 195 (1998) 676
Klipstein, P.C., S.G. Lyapin, N.J. Mason and P.J. Walker, In situ characterisation of MOVPE by surface photoabsorption II. Interface monitoring 195 (1998) 168
Knauer, A., see Hofmann, L. 195 (1998) 485
Knauer, A., see Bugge, F. 195 (1998) 676

Knauer, A., G. Oelgart, A. Oster, S. Gramlich, F. Bugge and M. Weyers, Ordering in $Ga_xIn_{1-x}As_yP_{1-y}$ grown on GaAs by metalorganic vapour-phase epitaxy 195 (1998) 694
Kniest, A., see Off, J. 195 (1998) 286
Kobayashi, J.T., N.P. Kobayashi, X. Zhang, P.D. Dapkus and D.H. Rich, Structural and optical emission characteristics of InGaN thin layers and the implications for growing high-quality quantum wells by MOCVD 195 (1998) 252
Kobayashi, N., see Nishida, T. 195 (1998) 41
Kobayashi, N., see Kobayashi, Y. 195 (1998) 187
Kobayashi, N., Surface photoabsorption monitoring of III–V and GaN MOVPE surfaces 195 (1998) 228
Kobayashi, N., see Saito, H. 195 (1998) 416
Kobayashi, N., see Nishida, T. 195 (1998) 459
Kobayashi, N.P., see Kobayashi, J.T. 195 (1998) 252
Kobayashi, T., see Watanabe, N. 195 (1998) 48
Kobayashi, Y., T. Akasaka and N. Kobayashi, In-situ monitoring of GaN MOVPE by shallow-angle reflectance using ultraviolet light 195 (1998) 187
Koch, J., see Höhnsdorf, F. 195 (1998) 391
Köhne, L., see Dadgar, A. 195 (1998) 69
Koinuma, H., see Honda, T. 195 (1998) 319
Komatsu, K., see Mori, K. 195 (1998) 466
Komatsu, K., see Koui, T. 195 (1998) 503
Koui, T., Y. Sakata, Y. Sasaki, T. Matsumoto and K. Komatsu, Mass-transport effect on InP corrugation shape control of DFB-LDs under atmospheric pressure MOVPE 195 (1998) 503
Koyama, F., see Honda, T. 195 (1998) 319
Koyama, F., see Miyamoto, T. 195 (1998) 421
Koyama, F., see Ohnoki, N. 195 (1998) 603
Kozodoy, P., S. Keller, S.P. DenBaars and U.K. Mishra, MOVPE growth and characterization of Mg-doped GaN 195 (1998) 265
Kröner, P., H. Baumeister, J. Rieger, E. Veuhoff, M. Popp and H. Heinecke, Optimization of p-dopant profiles for GaInAsP MQW laser structures in MOMBE 195 (1998) 660
Krost, A., see Heinrichsdorff, F. 195 (1998) 540
Kuech, T.F., see Cederberg, J.G. 195 (1998) 63
Kuech, T.F., see Cederberg, J.G. 195 (1998) 105
Kuech, T.F., see Hansen, D.M. 195 (1998) 144
Kuech, T.F., see Li, J. 195 (1998) 617
Kuech, T.F., see Sun, J. 195 (1998) 711
Kunzer, M., see Obloh, H. 195 (1998) 270
Kuphal, E., see Jochum, S. 195 (1998) 637
Kuramochi, E., see Temmyo, J. 195 (1998) 516
Kurpas, P., see Zettler, J.-T. 195 (1998) 151
Kurpas, P., M. Arens, D. Gutsche, E. Richter and M. Weyers, Growth monitoring of GaInP/GaAs heterojunction bipolar transistors by reflectance anisotropy spectroscopy 195 (1998) 217
Kurpas, P., see Zorn, M. 195 (1998) 223
Kurtz, S.R., see Biefeld, R.M. 195 (1998) 356
Kurtz, S.R., see Geisz, J.F. 195 (1998) 401
Kurtz, S.R., see Friedman, D.J. 195 (1998) 409
Kurtz, S.R., see Friedman, D.J. 195 (1998) 438

Ladner, C., see Décobert, J. 195 (1998) 681
Lancefield, D., see di Forte-Poisson, M.A. 195 (1998) 314
Landgren, G., see Silfvenius, C. 195 (1998) 700
Law, D., see Li, L. 195 (1998) 28
Le Bellego, Y., see Sik, H. 195 (1998) 479
Le Mestreallan, G., see Sik, H. 195 (1998) 479
Le Roux, G., see Sagnes, I. 195 (1998) 524
Lee, S.H., C. Fetzer and G.B. Stringfellow, Effect of Te doping on step structure and ordering in GaInP 195 (1998) 13
Leifer, K., see Biasiol, G. 195 (1998) 596
Lelarge, F., see Biasiol, G. 195 (1998) 596
Lemaître, A., see Sagnes, I. 195 (1998) 524
Leu, S., H. Protzmann, F. Höhnsdorf, W. Stolz, J. Steinkirchner and E. Hufgard, Si-doping of MOVPE grown InP and GaAs by using the liquid Si source ditertiarybutyl silane 195 (1998) 91
Leu, S., F. Höhnsdorf, W. Stolz, R. Becker, A. Salzmann and A. Greiling, C- and O-incorporation in (AlGa)As epitaxial layers grown by MOVPE using TBAs 195 (1998) 98
Leu, S., see Ellmers, C. 195 (1998) 630
Li, G., M.B. Johnston, A. Babinski, S. Yuan, M. Gal, S.J. Chua and C. Jagadish, Si and C δ-doping for device applications 195 (1998) 54
Li, J., A. Mirabedini, L.J. Mawst, D.E. Savage, R.J. Matyi and T.F. Kuech, Effect of interface roughness on performance of AlGaAs/InGaAs/GaAs resonant tunneling diodes 195 (1998) 617
Li, L., B.-K. Han, D. Law, M. Begarney and R.F. Hicks, Gallium arsenide and indium arsenide surfaces produced by metalorganic vapor-phase epitaxy 195 (1998) 28
Li, Y., see Tran, C.A. 195 (1998) 397
Liliental-Weber, Z., see Dupuis, R.D. 195 (1998) 340
Lim, P.H., see Schineller, B. 195 (1998) 274
Lu, D.-C., see Duan, S. 195 (1998) 304
Luysberg, M., see Schmidt, R. 195 (1998) 124
Lyapin, S.G., see Klipstein, P.C. 195 (1998) 168

Maeda, N., see Nishida, T. 195 (1998) 41
Maher, H., see Décobert, J. 195 (1998) 681
Maier, M., see Obloh, H. 195 (1998) 270
Majerfeld, A., see Sanz-Hervás, A. 195 (1998) 558
Makimoto, T., see Saito, H. 195 (1998) 416
Maląg, A., see Strupiński, W. 195 (1998) 474

Marchand, H., J.P. Ibbetson, P.T. Fini, S. Keller, S.P. DenBaars, J.S. Speck and U.K. Mishra, Mechanisms of lateral epitaxial overgrowth of gallium nitride by metalorganic chemical vapor deposition 195 (1998) 328
Mason, N.J., see Allwood, D.A. 195 (1998) 163
Mason, N.J., see Klipstein, P.C. 195 (1998) 168
Matsuhata, H., see Wang, X.-L. 195 (1998) 586
Matsumoto, T., see Mori, K. 195 (1998) 466
Matsumoto, T., see Koui, T. 195 (1998) 503
Matyi, R.J., see Hansen, D.M. 195 (1998) 144
Matyi, R.J., see Li, J. 195 (1998) 617
Maung, N., see Berrigan, R.A. 195 (1998) 718
Mawst, L.J., H. Yang, M. Nesnidal, A. Al-Muhanna, D. Botez, T.A. Vang, F.D. Alvarez and R. Johnson, High-power, single-mode, Al-free InGaAs(P)/InGaP/GaAs distributed feedback diode lasers 195 (1998) 609
Mawst, L.J., see Li, J. 195 (1998) 617
McLaughlin, S., see Xu, X.G. 195 (1998) 687
Meertens, D., see Schmidt, R. 195 (1998) 124
Menhal, H., see Pristovsek, M. 195 (1998) 1
Menhal, H., see Hardtdegen, H. 195 (1998) 211
Merai, V., see Tran, C.A. 195 (1998) 397
Mihopoulos, T.G., S.G. Hummel and K.F. Jensen, Simulation of flow and growth phenomena in a close-spaced reactor 195 (1998) 725
Mihopoulos, T.G., V. Gupta and K.F. Jensen, A reaction-transport model for AlGaN MOVPE growth 195 (1998) 733
Mijlemans, P., see D'Hondt, M. 195 (1998) 655
Minsky, M.S., see Keller, S. 195 (1998) 258
Mirabedini, A., see Li, J. 195 (1998) 617
Mishra, U.K., see Keller, S. 195 (1998) 258
Mishra, U.K., see Kozodoy, P. 195 (1998) 265
Mishra, U.K., see Marchand, H. 195 (1998) 328
Miyamoto, T., S. Sato, Z. Pan, D. Schlenker, F. Koyama and K. Iga, GaNAs/GaInAs short-period superlattice quantum well structures grown by MOCVD using TBAs and DMHy 195 (1998) 421
Miyano, K.E., see Gupta, J.A. 195 (1998) 34
Mochida, N., see Honda, T. 195 (1998) 319
Moerman, I., see Considine, L. 195 (1998) 192
Moerman, I., see Vanhollebeke, K. 195 (1998) 644
Moerman, I., see D'Hondt, M. 195 (1998) 655
Moran, P.D., see Hansen, D.M. 195 (1998) 144
Morello, G., see Bertone, D. 195 (1998) 624
Mori, K., H. Hatakeyama, K. Hamamoto, K. Komatsu, T. Sasaki and T. Matsumoto, Narrow-stripe selective growth of high-quality MQWs by atmospheric-pressure MOVPE 195 (1998) 466
Mori, M., see Honda, T. 195 (1998) 319
Motohisa, J., see Akabori, M. 195 (1998) 579
Nagasawa, H., see Yaguchi, H. 195 (1998) 323
Nakamura, F., S. Hashimoto, M. Hara, S. Imanaga, M. Ikeda and H. Kawai, AlN and AlGaN growth using low-pressure metalorganic chemical vapor deposition 195 (1998) 280
Nakamura, S., High-power InGaN-based blue laser diodes with a long lifetime 195 (1998) 242
Näser, A., see Dadgar, A. 195 (1998) 69
Nering, J., see Tran, C.A. 195 (1998) 397
Nesnidal, M., see Mawst, L.J. 195 (1998) 609
Neumann, W., see Kappelt, M. 195 (1998) 552
Nishida, T., N. Maeda, T. Akasaka and N. Kobayashi, Step-flow MOVPE of GaN on SiC substrates 195 (1998) 41
Nishida, T., T. Akasaka, Y. Yamauchi and N. Kobayashi, Step-free surface and interface by finite area metalorganic vapor phase epitaxy 195 (1998) 459
Nitta, S., see Yamaguchi, S. 195 (1998) 309
Nurmikko, A.V., see Han, J. 195 (1998) 291

Oakley, D.C., see Wang, C.A. 195 (1998) 346
Obloh, H., K.H. Bachem, U. Kaufmann, M. Kunzer, M. Maier, A. Ramakrishnan and P. Schlotter, Self-compensation in Mg doped p-type GaN grown by MOCVD 195 (1998) 270
Ochimizu, H. and H. Tanaka, Si-doping into GaAs grown by metalorganic vapor phase epitaxy using bisdiisopropylaminosilane 195 (1998) 58
Oda, Y. and T. Fukui, Natural formation of multiatomic steps on patterned vicinal substrates by MOVPE and application to GaAs QWR structures 195 (1998) 6
Oelgart, G., see Knauer, A. 195 (1998) 694
Off, J., A. Kniest, C. Vorbeck, F. Scholz and O. Ambacher, Influence of buffer layers on the In-content of GaInN layers 195 (1998) 286
Ogura, M., see Wang, X.-L. 195 (1998) 586
Ohnoki, N., F. Koyama and K. Iga, Superlattice AlAs/AlInAs for lateral-oxide current confinement in InP-based lasers 195 (1998) 603
Ohtomo, A., see Honda, T. 195 (1998) 319
Olson, J.M., see Geisz, J.F. 195 (1998) 401
Olson, J.M., see Friedman, D.J. 195 (1998) 409
Olson, J.M., see Friedman, D.J. 195 (1998) 438
Onabe, K., see Yaguchi, H. 195 (1998) 323
Onabe, K., see Biwa, G. 195 (1998) 574
Osinsky, A., see Tran, C.A. 195 (1998) 397
Oster, A., see Knauer, A. 195 (1998) 694
Ougazzaden, A., see Sik, H. 195 (1998) 479

Pan, Z., see Miyamoto, T. 195 (1998) 421
Park, G.H., see Considine, L. 195 (1998) 192
Park, J., see Dupuis, R.D. 195 (1998) 340

Partin, D.L., M. Pelczynski, P. Cooke, L. Green, J. Heremans and C.M. Thrush, The influence of stoichiometry on the growth of tellurium-doped indium antimonide for magnetic field sensors 195 (1998) 378
Patriarche, G., see Sik, H. 195 (1998) 479
Patriarche, G., see Sagnes, I. 195 (1998) 524
Peanasky, M.J., see Cederberg, J.G. 195 (1998) 63
Pecz, B., see di Forte-Poisson, M.A. 195 (1998) 314
Pelczynski, M., see Partin, D.L. 195 (1998) 378
Pellegrino, J.G., see Gupta, J.A. 195 (1998) 34
Pemble, M.E., see Yates, R.F. 195 (1998) 174
Pereira, E., see di Forte-Poisson, M.A. 195 (1998) 314
Pfeiffer, D., see Cederberg, J.G. 195 (1998) 105
Piataev, V., see Jochum, S. 195 (1998) 637
Pietzonka, I., T. Sass, R. Franzheld, G. Wagner and V. Gottschalch, Surface characterization of ordered (GaIn)P 195 (1998) 21
Platen, J., see Pristovsek, M. 195 (1998) 1
Pohl, U.W., R. Engelhardt, V. Türck and D. Bimberg, MOCVD of vertically stacked CdSe/ZnSSe quantum islands 195 (1998) 569
Popp, M., see Kröner, P. 195 (1998) 660
Porsche, J., A. Ruf, M. Geiger and F. Scholz, Size control of self-assembled InP/GaInP quantum islands 195 (1998) 591
Post, G., see Décobert, J. 195 (1998) 681
Prévot, I., see Sagnes, I. 195 (1998) 524
Pristovsek, M., H. Menhal, T. Wehnert, J.-T. Zettler, T. Schmidtling, N. Esser, W. Richter, C. Setzer, J. Platen and K. Jacobi, Reconstructions of the GaAs (1 1 3) surface 195 (1998) 1
Pristovsek, M., see Zettler, J.-T. 195 (1998) 151
Pristovsek, M., see Hardtdegen, H. 195 (1998) 211
Prost, W., see Velling, P. 195 (1998) 117
Prost, W., see Velling, P. 195 (1998) 490
Protzmann, H., see Leu, S. 195 (1998) 91
Püttjer, D., see Behres, A. 195 (1998) 373

Raisch, P., see Winterhoff, R. 195 (1998) 132
Ramakrishnan, A., see Obloh, H. 195 (1998) 270
Ratajczak, J., see Strupiński, W. 195 (1998) 474
Rechenberg, I., see Hofmann, L. 195 (1998) 485
Reedy, R., see Friedman, D.J. 195 (1998) 438
Reier, F.W., see Franke, D. 195 (1998) 112
Rettig, R., see Ellmers, C. 195 (1998) 630
Rich, D.H., see Kobayashi, J.T. 195 (1998) 252
Richter, E., see Kurpas, P. 195 (1998) 217
Richter, W., see Pristovsek, M. 195 (1998) 1
Richter, W., see Zettler, J.-T. 195 (1998) 151
Richter, W., see Hardtdegen, H. 195 (1998) 211
Richter, W., see Zorn, M. 195 (1998) 223
Richter, W., see Steimetz, E. 195 (1998) 530
Rieger, J., see Kröner, P. 195 (1998) 660
Roberts, J.S., J.P.R. David, L. Smith and P.L. Tihanyi, The influence of trimethylindium impurities on the performance of InAlGaAs single quantum well lasers 195 (1998) 668
Rodriguez-Viejo, J., see Heine, J.R. 195 (1998) 564
Romann, A., see di Forte-Poisson, M.A. 195 (1998) 314
Rondeau, G., see Décobert, J. 195 (1998) 681
Ruf, A., see Porsche, J. 195 (1998) 591
Rühle, W.W., see Ellmers, C. 195 (1998) 630

Sagnes, I., I. Prévot, G. Patriarche, G. Le Roux, B. Gayral, A. Lemaître and J.M. Gérard, High-quality InAs/GaAs quantum dots grown by low-pressure metalorganic vapor-phase epitaxy 195 (1998) 524
Saito, H., T. Makimoto and N. Kobayashi, MOVPE growth of strained InGaAsN/GaAs quantum wells 195 (1998) 416
Sakaguchi, T., see Honda, T. 195 (1998) 319
Sakata, Y., see Koui, T. 195 (1998) 503
Salamanca-Riba, L., see Bhat, R. 195 (1998) 427
Salzmann, A., see Leu, S. 195 (1998) 98
Samuelson, L., see Johansson, J. 195 (1998) 546
Sanz-Hervás, A., S. Cho, J. Kim, A. Majerfeld, C. Villar and B.W. Kim, Effect of the growth parameters on the luminescence properties of high-quality GaAs/AlGaAs multiquantum wells on (1 1 1)A substrates by metal organic vapor phase epitaxy 195 (1998) 558
Saotome, K., see Honda, T. 195 (1998) 319
Sarin Kumar A.K., see Watanabe, N. 195 (1998) 48
Sasaki, T., see Mori, K. 195 (1998) 466
Sasaki, Y., see Koui, T. 195 (1998) 503
Sass, T., see Pietzonka, I. 195 (1998) 21
Sato, S., see Miyamoto, T. 195 (1998) 421
Savage, D.E., see Li, J. 195 (1998) 617
Schetzina, J.F., see Yu, Z. 195 (1998) 333
Schineller, B., A. Guttzeit, P.H. Lim, M. Schwambera, K. Heime, O. Schön and M. Heuken, The influence of Mg-concentration and carrier gas on the electrical and optical properties of GaN : Mg grown by MOVPE 195 (1998) 274
Schineller, B., see Schoen, O. 195 (1998) 297
Schlenker, D., see Miyamoto, T. 195 (1998) 421
Schlotter, P., see Obloh, H. 195 (1998) 270
Schmidt, R., M. v.d. Ahe, Ch. Dieker, D. Gauer, H. Hardtdegen, T. Hauck, M. Luysberg, D. Meertens and D. Schmitz, Contributions to understanding the optical properties of partially ordered $(Al_{0.3}Ga_{0.7})_{0.52}In_{0.48}P$ 195 (1998) 124
Schmidtling, T., see Pristovsek, M. 195 (1998) 1
Schmitz, D., see Schmidt, R. 195 (1998) 124
Schmitz, D., see Hardtdegen, H. 195 (1998) 211
Schmitz, D., see Schoen, O. 195 (1998) 297

Schoen, O., M. Schwambera, B. Schineller, D. Schmitz, M. Heuken and H. Juergensen, High quality III-nitride material grown in mass production MOCVD systems 195 (1998) 297
Scholz, F., see Winterhoff, R. 195 (1998) 132
Scholz, F., see Off, J. 195 (1998) 286
Scholz, F., see Porsche, J. 195 (1998) 591
Schön, O., see Schineller, B. 195 (1998) 274
Schumann, H., see Dadgar, A. 195 (1998) 69
Schurman, M., see Tran, C.A. 195 (1998) 397
Schwambera, M., see Schineller, B. 195 (1998) 274
Schwambera, M., see Schoen, O. 195 (1998) 297
Sebastian, J., see Bugge, F. 195 (1998) 676
Segawa, Y., see Yaguchi, H. 195 (1998) 323
Seifert, W., see Johansson, J. 195 (1998) 546
Seipel, K., see Ferguson, I.T. 195 (1998) 648
Setzer, C., see Pristovsek, M. 195 (1998) 1
Shi, B.Q. and C.W. Tu, Modeling study of silicon incorporation from $SiBr_4$ in GaAs layers grown by chemical beam epitaxy 195 (1998) 740
Shiraki, Y., see Yaguchi, H. 195 (1998) 323
Shiraki, Y., see Biwa, G. 195 (1998) 574
Shirasawa, T., see Honda, T. 195 (1998) 319
Sik, H., Y. Le Bellego, P. Win, S. Bouchoule, G. Patriarche, P. Boulet, G. Le Mestreallan and A. Ougazzaden, Planar selective regrowth of high resistivity semi-insulating InP(Fe) by LP-MOVPE for buried lasers using TBP 195 (1998) 479
Silfvenius, C. and G. Landgren, Design, growth and performance of different QW structures for improved 1300 nm InGaAsP lasers 195 (1998) 700
Smirnitski, V.B., see Bugge, F. 195 (1998) 676
Smith, L., see Roberts, J.S. 195 (1998) 668
Soerensen, G., see Gupta, J.A. 195 (1998) 205
Song, J.J., see Considine, L. 195 (1998) 192
Song, Y.K., see Han, J. 195 (1998) 291
Speck, J.S., see Marchand, H. 195 (1998) 328
Stall, R., see Tran, C.A. 195 (1998) 397
Stall, R., see Ferguson, I.T. 195 (1998) 648
Steimetz, E., T. Wehnert, K. Haberland, J.-T. Zettler and W. Richter, GaAs cap layer growth and In-segregation effects on self-assembled InAs-quantum dots monitored by optical techniques 195 (1998) 530
Steinkirchner, J., see Leu, S. 195 (1998) 91
Stenzel, O., see Dadgar, A. 195 (1998) 69
Stier, O., see Heinrichsdorff, F. 195 (1998) 540
Stockman, S.A., see Cederberg, J.G. 195 (1998) 63
Stolz, W., see Dadgar, A. 195 (1998) 69
Stolz, W., see Leu, S. 195 (1998) 91
Stolz, W., see Leu, S. 195 (1998) 98
Stolz, W., see Höhnsdorf, F. 195 (1998) 391
Stolz, W., see Ellmers, C. 195 (1998) 630
Straßburg, M., see Dadgar, A. 195 (1998) 69
Stringfellow, G.B., see Lee, S.H. 195 (1998) 13
Strupiński, W., A. Małąg and J. Ratajczak, Selective area metalorganic vapor phase epitaxy growth of prism-shaped GaAs resonators for folded cavity surface emitting lasers 195 (1998) 474
Sun, J., L. Zhang and T.F. Kuech, In situ thermal nitridation of GaAs using metalorganic vapor phase epitaxy 195 (1998) 711
Sys, C., see D'Hondt, M. 195 (1998) 655

Takeuchi, T., see Yamaguchi, S. 195 (1998) 309
Tamamura, T., see Temmyo, J. 195 (1998) 516
Tanaka, H., see Ochimizu, H. 195 (1998) 58
Tegude, F.J., see Velling, P. 195 (1998) 117
Tegude, F.J., see Velling, P. 195 (1998) 490
Temmyo, J., E. Kuramochi, H. Kamada and T. Tamamura, Resonant self-organization in semiconductor growth 195 (1998) 516
Teng, X., see Duan, S. 195 (1998) 304
Thompson, A.G., see Ferguson, I.T. 195 (1998) 648
Thrush, C.M., see Partin, D.L. 195 (1998) 378
Thrush, E.J., see Considine, L. 195 (1998) 192
Thrush, E.J., see Vanhollebeke, K. 195 (1998) 644
Tihanyi, P.L., see Roberts, J.S. 195 (1998) 668
Tordjman, M., see di Forte-Poisson, M.A. 195 (1998) 314
Tran, C.A., R.F. Karlicek Jr., M. Schurman, A. Osinsky, V. Merai, Y. Li, I. Eliashevich, M.G. Brown, J. Nering, I. Ferguson and R. Stall, Phase separation in InGaN/GaN multiple quantum wells and its relation to brightness of blue and green LEDs 195 (1998) 397
Trepk, T., see Zorn, M. 195 (1998) 223
Tu, C.W., see Bhat, R. 195 (1998) 427
Tu, C.W., see Shi, B.Q. 195 (1998) 740
Türck, V., see Kappelt, M. 195 (1998) 552
Türck, V., see Pohl, U.W. 195 (1998) 569

Van Dongen, T., see van Geelen, A. 195 (1998) 79
Van Geelen, A., T.M.F. de Smet, T. van Dongen and W.M.E.M. van Gils, Zinc doping of InP by metal organic vapour phase diffusion (MOVPD) 195 (1998) 79
Van Gils, W.M.E.M., see van Geelen, A. 195 (1998) 79
Van der Stricht, W., see Considine, L. 195 (1998) 192
Vang, T.A., see Mawst, L.J. 195 (1998) 609
Vanhollebeke, K., L. Considine, I. Moerman, P. Demeester, E.J. Thrush and J.A. Crawley, Highly uniform AlAs/GaAs, InGa(Al)P/GaAs and InGaAs(P)/InP structures grown in a three 2″ wafer close-spaced vertical rotating disk reactor 195 (1998) 644
Velling, P., G. Janßen, M. Agethen, W. Prost and F.J. Tegude, InGaP/GaAs hole barrier asymmetry determined by (0 0 2) X-ray reflections and p-type DB-RTD hole transport 195 (1998) 117

Velling, P., W. Fix, W. Geißelbrecht, W. Prost, G.H. Döhler and F.-J. Tegude, InGaP/GaAs shadow-mask for optoelectronic integration and MBE regrowth 195 (1998) 490
Veuhoff, E., Exploitation of surface selective growth in metalorganic growth technologies for device applications 195 (1998) 444
Veuhoff, E., see Kröner, P. 195 (1998) 660
Villar, C., see Sanz-Hervás, A. 195 (1998) 558
Vineis, C.J., C.A. Wang, K.F. Jensen and W.G. Breiland, In situ monitoring of GaSb, GaInAsSb, and AlGaAsSb 195 (1998) 181
Vorbeck, C., see Off, J. 195 (1998) 286

Wagner, G., see Pietzonka, I. 195 (1998) 21
Wagner, W., see Winterhoff, R. 195 (1998) 132
Walker, P.J., see Allwood, D.A. 195 (1998) 163
Walker, P.J., see Klipstein, P.C. 195 (1998) 168
Wang, C.A., see Vineis, C.J. 195 (1998) 181
Wang, C.A., H.K. Choi, D.C. Oakley and G.W. Charache, Recent progress in GaInAsSb thermophotovoltaics grown by organometallic vapor-phase epitaxy 195 (1998) 346
Wang, C.A., see Hitchcock, C.W. 195 (1998) 363
Wang, X.-L., M. Ogura and H. Matsuhata, Self-limiting effects of flow rate modulation epitaxy of GaAs on patterned substrate 195 (1998) 586
Watanabe, N., Sarin Kumar A.K., S. Yamahata and T. Kobayashi, Annealing effect on C-doped InGaAs grown by metalorganic chemical vapor deposition 195 (1998) 48
Watkins, S.P., see Gupta, J.A. 195 (1998) 34
Watkins, S.P., see Gupta, J.A. 195 (1998) 205
Watkins, S.P., see Arès, R. 195 (1998) 234
Watkins, S.P., see Xu, X.G. 195 (1998) 687
Wehnert, T., see Pristovsek, M. 195 (1998) 1
Wehnert, T., see Steimetz, E. 195 (1998) 530
Wessels, B.W., Ferroelectric oxide epitaxial thin films: synthesis and non-linear optical properties 195 (1998) 706
Wetzel, C., see Yamaguchi, S. 195 (1998) 309
Weyers, M., see Zettler, J.-T. 195 (1998) 151
Weyers, M., see Kurpas, P. 195 (1998) 217
Weyers, M., see Zorn, M. 195 (1998) 223
Weyers, M., see Hofmann, L. 195 (1998) 485
Weyers, M., see Bugge, F. 195 (1998) 676
Weyers, M., see Knauer, A. 195 (1998) 694
Win, P., see Sik, H. 195 (1998) 479
Winter, C.H., see Cederberg, J.G. 195 (1998) 105
Winterhoff, R., P. Raisch, V. Frey, W. Wagner and F. Scholz, Control of dopant distribution profiles in GaInP laser diodes with Mg- and Se-doped AlInP cladding layers 195 (1998) 132
Woicik, J.C., see Gupta, J.A. 195 (1998) 34
Wu, J., see Yaguchi, H. 195 (1998) 323
Xu, X.G., see Giesen, Ch. 195 (1998) 85
Xu, X.G., S. McLaughlin, J. Hu, S.P. Watkins and C.R. Bolognesi, Comparison of single- and double-barrier pseudomorphic InGaP/InGaAs HFETs 195 (1998) 687

Yaguchi, H., J. Wu, B. Zhang, Y. Segawa, H. Nagasawa, K. Onabe and Y. Shiraki, Micro Raman and micro photoluminescence study of cubic GaN grown on 3C-SiC(0 0 1) substrates by metalorganic vapor phase epitaxy 195 (1998) 323
Yaguchi, H., see Biwa, G. 195 (1998) 574
Yamaguchi, S., M. Kariya, S. Nitta, H. Kato, T. Takeuchi, C. Wetzel, H. Amano and I. Akasaki, Structural and optical properties of AlInN and AlGaInN on GaN grown by metalorganic vapor phase epitaxy 195 (1998) 309
Yamahata, S., see Watanabe, N. 195 (1998) 48
Yamauchi, Y. and H. Horikawa, Doping characteristics of n-type InP using phenylsilane and TBP by MOVPE 195 (1998) 74
Yamauchi, Y., see Nishida, T. 195 (1998) 459
Yang, H., see Mawst, L.J. 195 (1998) 609
Yates, H.M., see Yates, R.F. 195 (1998) 174
Yates, R.F., H.M. Yates and M.E. Pemble, Surface photoabsorption interferometry studies of the growth of InP and GaP on glass 195 (1998) 174
Yeo, P., see Arès, R. 195 (1998) 234
Yu, Z., M.A.L. Johnson, J.D. Brown, N.A. El-Masry, J.W. Cook Jr. and J.F. Schetzina, Study of the epitaxial–lateral-overgrowth (ELO) process for GaN on sapphire 195 (1998) 333
Yu, Z.-Q., see D'Hondt, M. 195 (1998) 655
Yuan, S., see Li, G. 195 (1998) 54

Zeimer, U., see Bugge, F. 195 (1998) 676
Zettler, J.-T., see Pristovsek, M. 195 (1998) 1
Zettler, J.-T., K. Haberland, M. Zorn, M. Pristovsek, W. Richter, P. Kurpas and M. Weyers, Real-time monitoring of MOVPE device growth by reflectance anisotropy spectroscopy and related optical techniques 195 (1998) 151
Zettler, J.-T., see Hardtdegen, H. 195 (1998) 211
Zettler, J.-T., see Zorn, M. 195 (1998) 223
Zettler, J.-T., see Steimetz, E. 195 (1998) 530
Zhang, B., see Yaguchi, H. 195 (1998) 323
Zhang, L., see Sun, J. 195 (1998) 711
Zhang, X., see Kobayashi, J.T. 195 (1998) 252
Zorn, M., see Zettler, J.-T. 195 (1998) 151
Zorn, M., T. Trepk, P. Kurpas, M. Weyers, J.-T. Zettler and W. Richter, In situ monitoring and control of InGaP growth on GaAs in MOVPE 195 (1998) 223

ELSEVIER

Journal of Crystal Growth 195 (1998) 755–756

JOURNAL OF CRYSTAL GROWTH

Subject index

Apparatus
– for in situ time resolved reflectance measurement 205

Computer simulation
– of nonplanar epitaxy 596

Device characterization
– diodes 79, 117, 409, 490, 617, 668
– electronic materials 69, 91, 117, 223, 274, 490, 438, 499, 687
– electro-optics 706
– heterojunctions 280, 297, 444, 660, 681
– heterojunction–bipolar–transistors 217
– lasers 242, 479, 495, 503, 603, 609, 624, 655, 660, 668, 676, 700
– quantum dots and wires 6, 524, 530, 546, 552, 564, 569, 579
– quantum wells 6, 117, 297, 373, 444, 466, 558, 617, 660, 668, 676, 700
– superlattices 117
– thermophotovoltaic 346, 363
– transistor 681
Diffusional control
– of zinc 79, 112
Diodes, see Device characterization
Doping of
– silicon and carbon in III–V compounds 54

Electronic materials, see Device characterization
Epitaxy, see Thin film growth
Etching
– chemical 199, 490, 495, 624
– photolithographic 495

Heat flow control
– of closed-spaced growth 725
Heterojunctions, see Device characterization

Kinetics
– of diffusion 112
– of doping 740
– of growth 58, 174, 187, 228, 234, 328, 459, 596, 718, 733
– of interface control 459, 516, 596
– of nucleation 174, 459

Lasers, see Device characterization

Morphological stability
– of gallium arsenide 28
– of gallium nitride 192

Nucleation
– of gallium nitride 192
Numbers
– Grashof 725
– Reynolds 725

Phase diagram
– of gallium arsenide 28
– of surface stoichiometry 228
Precursor, for
– aluminum nitride 733
– arsenic 391
– arsenic trichloride 199
– erbium 105
– gallium nitride 733
– metalorganic vapor phase epitaxy 21, 58, 69, 85, 98, 105, 280, 391, 479, 733
– nitrogen 391
– oxygen 63
– ruthenium 69
– silicon doping 91
– III–V compounds 98, 630
Purification
– of gases 314
– of tertiarybutylarsine 98

Quantum dots and wires, see Device characterization
Quantum wells, see Device characerization

Superlattices, multilayers
– of aluminum arsenide/gallium arsenide 630
– of gallium arsenide/indium arsenide 205
– of gallium indium nitride arsenide/gallium arsenide 391
– of gallium indium phosphide/gallium arsenide 117
– of gallium nitride/indium gallium nitride 258
– of indium gallium arsenide phosphide 637
Surface structure
– of aluminum gallium arsenide 596
– of gallium antimonide 163
– of gallium arsenide 1, 21, 163, 228

0022-0248/98/$ – see front matter © 1998 Elsevier Science B.V. All rights reserved.
PII: S0022-0248(98)00950-6

– of gallium indium arsenide/gallium phosphide arsenide 630
– of gallium indium phosphide 13, 21, 117
– of gallium nitride 41, 192, 328
– of indium antimonide 163
– of indium arsenide 163

Thin film growth, epitaxy
– by atomic layer epitaxy
– – of gallium arsenide 34
– – of indium arsenide 34, 234
– by metalorganic molecular beam epitaxy
– – of gallium aluminum arsenide 516
– – of gallium arsenide 151
– – of gallium indium arsenide 151, 516
– – of gallium indium arsenide phosphide 510, 660
– – of gallium indium phosphide 151
– – of gallium phosphide nitride arsenide 574
– – of indium antimonide 378
– – of III-N compounds 248
– by molecular beam epitaxy
– – of gallium arsenide 1, 490, 740
– – of indium gallium phosphide 490
– – theory of doping 740
– by vapor phase epitaxy
– – through metalorganic chemical vapor deposition
– – – of aluminum arsenide 630, 644
– – – of aluminum arsenide antimonide 85, 356
– – – of aluminum gallium arsenide 54, 98, 199, 459, 474, 485, 495, 558, 596, 617, 648
– – – of aluminum gallium indium phosphide 124, 644
– – – of aluminum gallium nitride 280, 291
– – – of aluminum indium arsenide 603, 681
– – – of aluminum indium arsenide antimonide 363
– – – of aluminum indium gallium nitride 309
– – – of aluminum indium nitride 309
– – – of aluminum nitride 280, 733
– – – of barium titanate 706
– – – of cadmium selenide 564, 569
– – – of cadmium sulphide 718
– – – of cadmium telluride 718
– – – of gallium aluminum arsenide antimonide 181
– – – of gallium aluminum indium arsenide 668
– – – of gallium antimonide 163, 168, 181, 363, 385
– – – of gallium arsenide 1, 6, 21, 28, 58, 91, 98, 105, 117, 163, 168, 199, 205, 211, 217, 228, 416, 427, 459, 474, 524, 530, 540, 546, 558, 579, 586, 596, 617, 630, 648, 655, 711
– – – of gallium arsenide antimonide 356
– – – of gallium arsenide phosphide 630
– – – of gallium indium antimonide 363, 385
– – – of gallium indium arsenide 48, 112, 144, 217, 421, 540, 617, 630, 648, 655, 676, 687, 681
– – – of gallium indium arsenide antimonide 181, 346, 363
– – – of gallium indium arsenide nitride 391, 401, 409, 416, 421, 438
– – – of gallium indium arsenide phosphide 444, 466, 609, 624, 637, 644, 660, 694, 700
– – – of gallium indium phosphide 13, 21, 117, 132, 217, 223, 591, 609
– – – of gallium nitride 41, 187, 192, 228, 258, 265, 270, 274, 280, 304, 314, 319, 323, 328, 333, 340, 427, 459,733
– – – of gallium phosphide 174, 574
– – – of indium aluminum gallium phosphide 63
– – – of indium antimonide 163
– – – of indium arsenide 28, 163, 168, 205, 234, 356, 373, 524, 530
– – – of indium arsenide antimonide 356, 373
– – – of indium arsenide phosphide 356, 373, 552
– – – of indium gallium nitride 242, 252, 258, 286, 297, 397
– – – of indium phosphide 48, 69, 74, 91, 138, 174, 444, 459, 479, 503, 546, 603, 624, 660, 681
– – – of zinc sulphide 564
– – – of zinc sulphide selenide 569